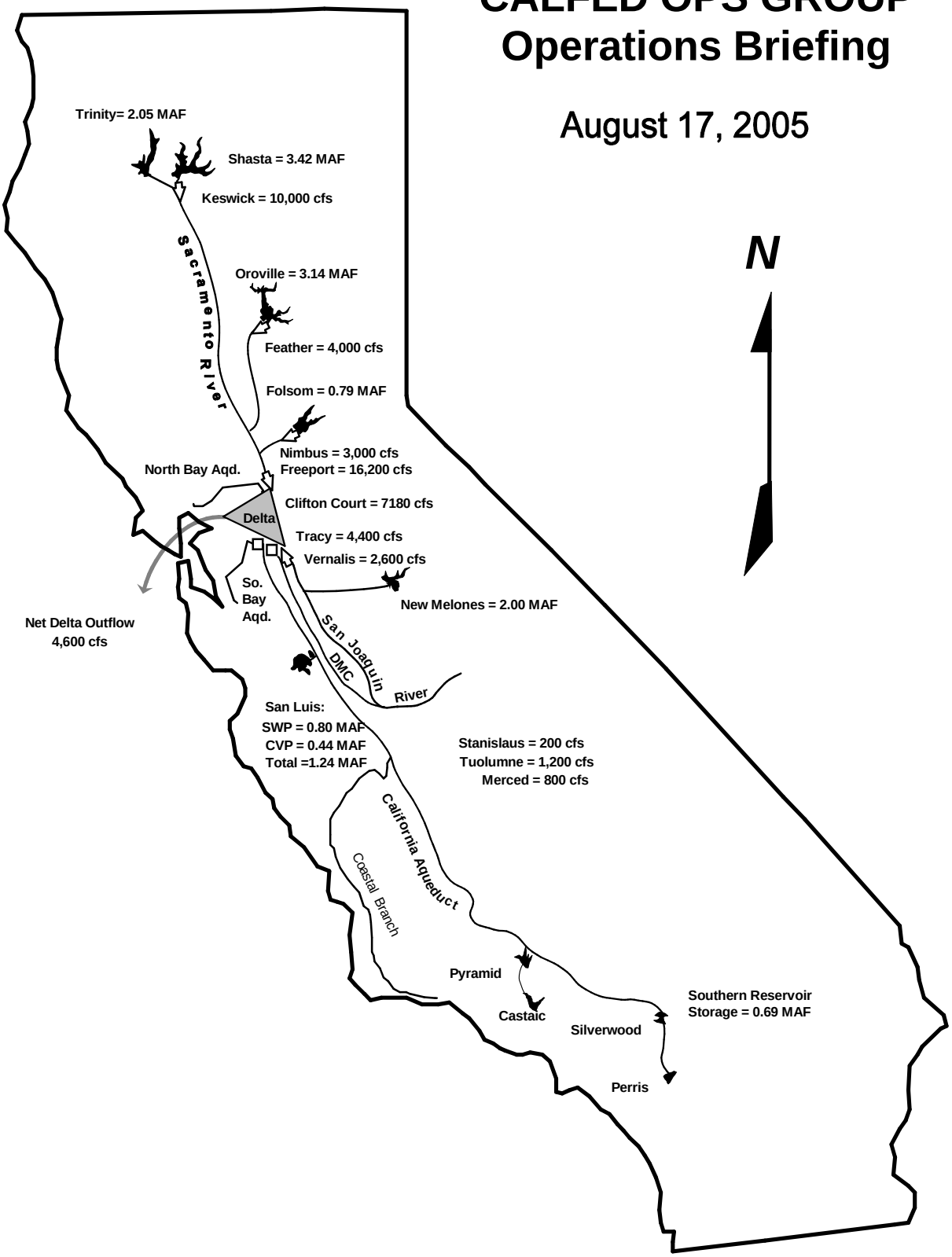
CALFED OPS GROUP
Operations Briefing

August 17, 2005



CURRENT SWP/CVP OPERATIONAL STATUS

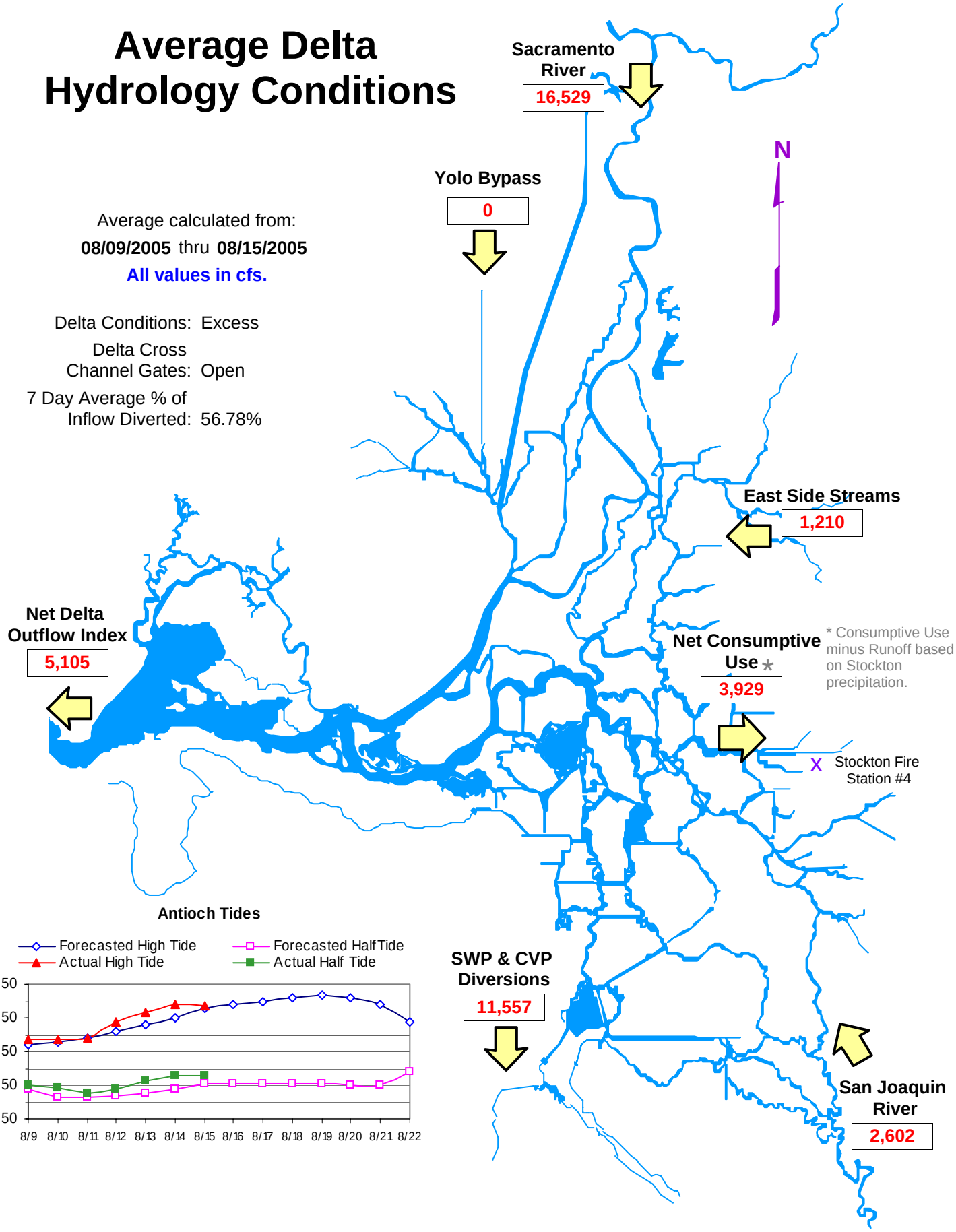
DATA AS OF
August 17, 2005

O&M, OSC

Average Delta Hydrology Conditions

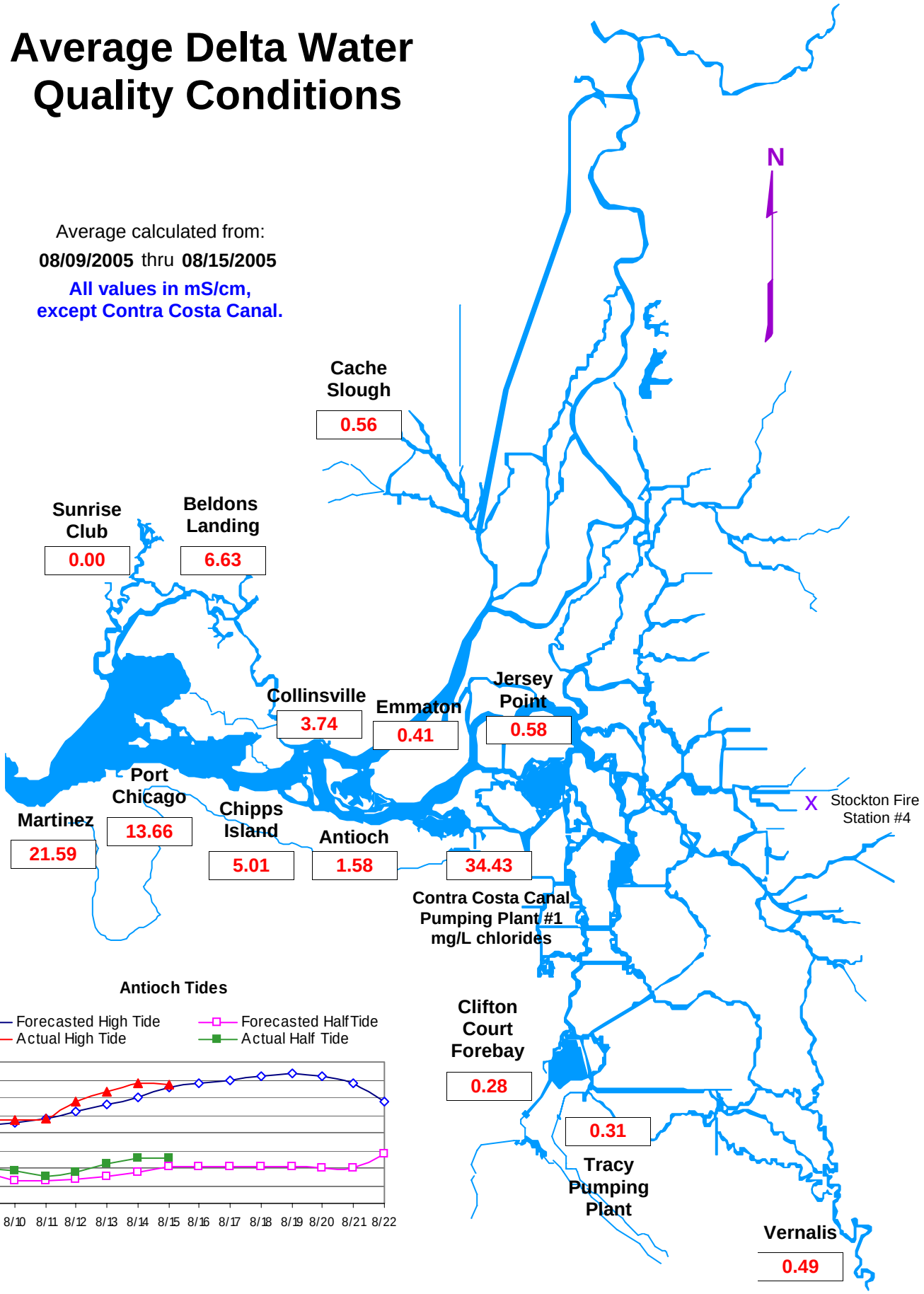
Average calculated from:
08/09/2005 thru **08/15/2005**
All values in cfs.

Delta Conditions: Excess
Delta Cross Channel Gates: Open
7 Day Average % of Inflow Diverted: 56.78%

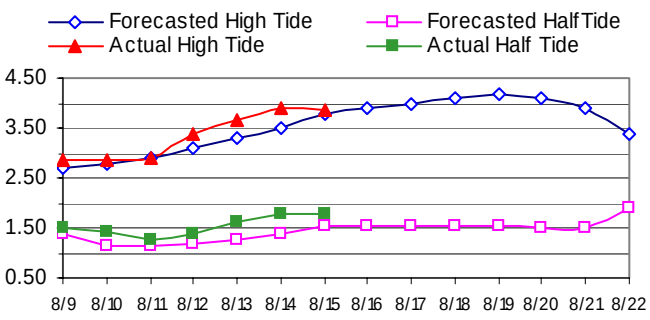


Average Delta Water Quality Conditions

Average calculated from:
08/09/2005 thru **08/15/2005**
All values in mS/cm, except Contra Costa Canal.



Antioch Tides



DRAFT

Bay-Delta Standards

Contained in D-1641

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CRITERIA	Aug 05	Sep 05	Oct 05
FLOW/OPERATIONAL			
• Fish and Wildlife			
SWP/CVP Export Limits			
Export/Inflow Ratio	65%		
Minimum Outflow - mon.	4000 cfs	3000 cfs	4000 cfs
- 7 day avg.	3000 cfs	2000 cfs	3000 cfs
Habitat Protection Outflow, X2			
River Flows:			
@ Rio Vista - min. mon. avg.		3000 cfs	4000 cfs
- 7 day average		2000 cfs	3000 cfs
@ Vernalis: Base -min. mon. avg.			
- 7 day average			
- Pulse Flow			28 + TAF
Delta Cross Channel Gates			
WATER QUALITY STANDARDS			
• Municipal and Industrial			
All Export Locations	<= 250 mg/L Cl		
Contra Costa Canal	<= 150 mg/L Cl for 175 days (days have been met)		
• Agriculture	14 dm <= 1.14 mS/cm @ emmaton, 14dM <=0.74 mS/cm @ Jersey (Standard has been		
Western/Interior Delta	14 dm		
Southern Delta	30-day running average EC <= 0.7 mS	30-day running average EC <= 1.0 mS	
• Fish and Wildlife			
San Joaquin River Salinity			
Suisun Marsh Salinity			19.0 mS/cm

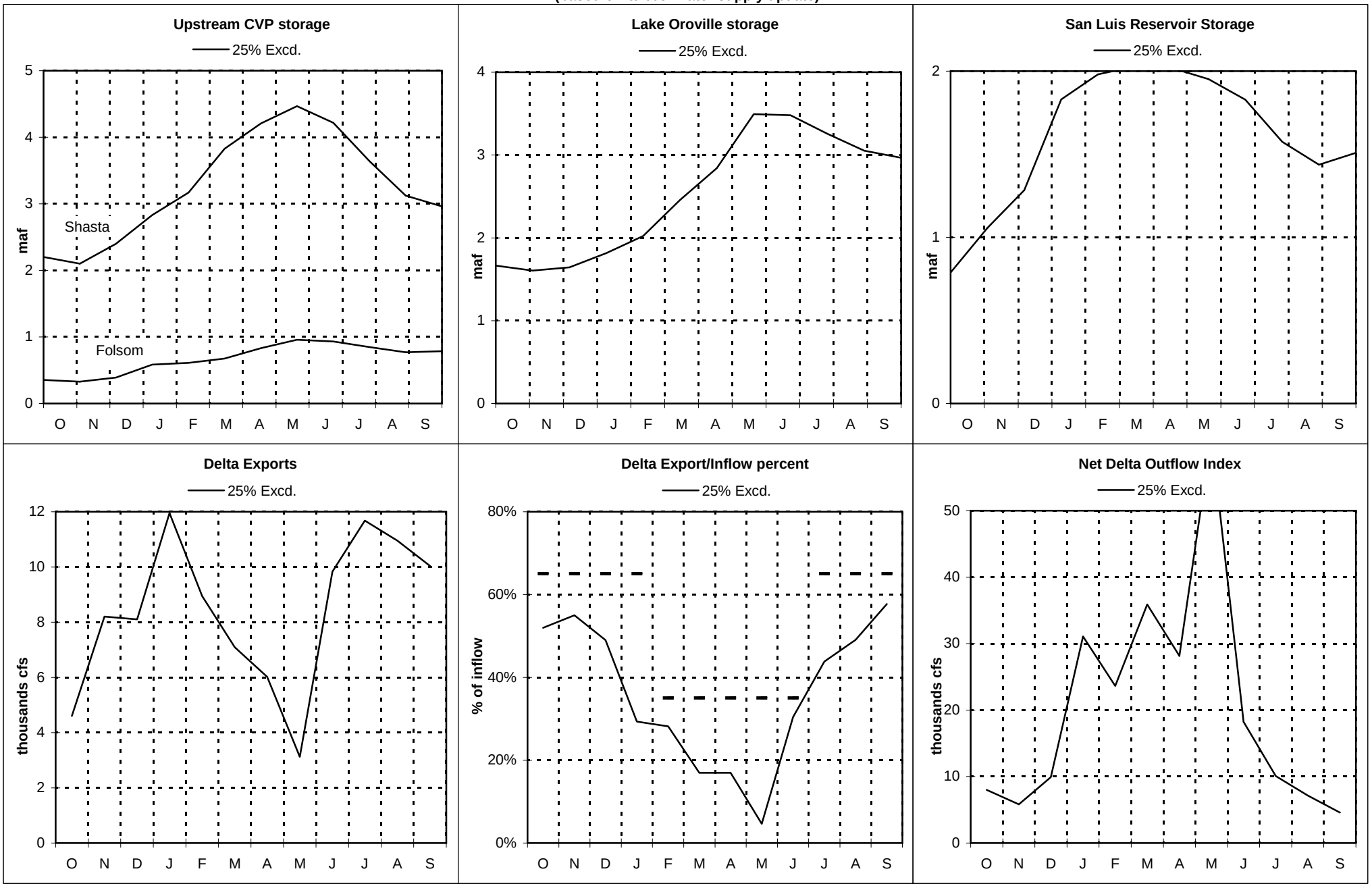
Water Year Classification: (May 1 forecast)

SRI (40-30-30 @ 50%) =7.4 (Below Normal) May 8RI: 3.190 MAF

SJV (60-20-20 @75%) =4.2 (wet)

SWP & CVP WY 2005 Forecasted Operations.

(based on 6/1/05 water supply update)



Flows are monthly averages.

WY 2004/2005 EWA Accounting Summary
Based upon July Operations Study - 25/90% Exceedance Hydrology
Assumptions: SWP Allocation - 90%; SOD Purchases - 148.5 TAF
(Pre-VAMP shoulder started on 4/17/05; VAMP started on 5/1/05)

EWA NOD and SOD Assets ((+ = Purchases) and (- = Releases))

1	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
TOTAL WY 2004/2005 NOD [0]				6.2 [5]				62.0 [11]		-6.2 [5]							62.0
NOD (Oroville)																	0.0
NOD (non-Oroville)		18.7 [4]															0.0
YCWA [3 & 11]	0.9 [3]	-0.9 [3]						62.0 [11]					-62.0 [11]				0.0
PCWA (released into Folsom)	7.9 [4]	7.9 [4]	2.9 [4]														18.7
Instream Uses/Non-Capturable Water					-15.4 [12]	-3.3 [12]											-18.7
SFWP [5]				6.2 [5]						-6.2 [5]							0.0
MID [12]																	0.0
TOTAL WY 2004/2005 SOD [0]										148.5 [13 - 16]							148.5
SOD (KCWA) [14 & 15]										29.7 [13]		60.0 [14]					89.7
SOD (SCVWD) [16 & 17]												8.8 [15]					8.8
SOD (MWD) [17]												50.0 [16]					50.0

EWA Asset Acquisition in SWP San Luis [1]

2	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
E/I Relaxation																	0.0
EWA share of SWP gain			0.29														0.3
Project Pumping to reduce EWA debt						34.5					29.6	29.6	20.0				113.7
JPOD using excess flows																	0.0
JPOD using NOD storage																	0.0
Xfer NOD - Sacramento River [2]		0.9 [3]															0.9
Xfer NOD - San Joaquin River [2]																	0.0
SOD SWP Surface/GW Purchases										29.7 [13]		50.0 [14 & 16]	52.9 [14, 15, 16]	12.9 [15 16]	2.9 [15]		148.5
Exchange of EWA assets																	0.0
Groundwater pumping SOD																	0.0
Exchange from CVP to SWP in SL																	0.0
Total Monthly EWA Assets		**0.9**	**0.3**	**0.0**	**0.0**	**34.5**	**0.0**	**0.0**	**0.0**	**29.7**	**29.6**	**79.6**	**72.9**	**12.9**	**2.9**	**0.0**	**263.4**

EWA Asset Acquisition in CVP San Luis [1]

3	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
E/I Relaxation																	0.0
Project Pumping to reduce EWA debt							28.6										28.6
JPOD using excess flows																	0.0
JPOD using NOD storage																	0.0
Xfer NOD - Sacramento River [2]																	0.0
Xfer NOD - San Joaquin River [2]																	0.0
SOD CVP Surface/GW purchases																	0.0
Exchange of EWA assets																	0.0
Groundwater pumping																	0.0
Exchange from SWP to CVP in SL																	0.0
Total Monthly EWA Assets	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**28.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	28.6

EWA Expenditures at the Export Pumps

4	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SWP export cuts				-4.2 [6]		-32.8 [7]		-121.9 [8]	-134.0 [8]	-34.7 [8]							-327.6
CVP export cuts						-11.4 [7]		0.0 [9]	0.0 [9]								-11.4
Total Expenditures	**0.0**	**0.0**	**0.0**	**-4.2**	**0.0**	**-44.2**	**0.0**	**-121.9**	**-134.0**	**-34.7**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**-339.0**

EWA End-of-Month Incremental Storage Changes

5	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SWP in SL (without Source Shift)	1.4	0.9	0.3	-4.2	0.0	1.6	0.0	-121.9	-134.0	-5.0	29.6	79.6	72.9	12.9	2.9	0.0	-62.8
CVP in SL	-17.2	0.0	0.0	0.0	0.0	-11.4	28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOD Storage	0.9	17.8	0.0	6.2	-15.4	-3.3	0.0	62.0	0.0	-6.2	0.0	0.0	-62.0	0.0	0.0	0.0	0.0
SOD Storage (non-S.L.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.8	-52.9	-12.9	-2.9	0.0	0.0
Total Incremental Storage Changes	**-14.9**	**18.7**	**0.3**	**2.0**	**-15.4**	**-13.1**	**28.6**	**-59.9**	**-134.0**	**-11.2**	**29.6**	**148.4**	**-42.0**	**0.0**	**0.0**	**0.0**	**-62.8**

EWA Cumulative End-of-Month Storage Balance at Various Sites

6	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SWP in SL (without Source Shift)	1.4	2.2	2.5	-1.6	-1.6	0.0	0.0	-121.9	-255.9	-260.8	-231.2	-151.6	-78.7	-65.7	-62.8	-62.8
CVP in SL (without Source Shift)	-17.2	-17.2	-17.2	-17.2	-17.2	-28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOD Storage	0.9	18.7	18.7	24.9	9.5	6.2	6.2	68.2	68.2	62.0	62.0	62.0	0.0	0.0	0.0	0.0
SOD Storage (non-S.L.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.8	15.9	2.9	0.0	0.0
EWA Asset Balance	**-14.9**	**3.8**	**4.1**	**6.1**	**-9.3**	**-22.4**	**6.2**	**-53.7**	**-187.7**	**-198.8**	**-169.2**	**-20.8**	**-62.8**	**-62.8**	**-62.8**	**-62.8**

San Luis Reservoir Storage Conditions

7	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Storage (base case) [10]		803	1072	1301	1829	1997	2030	2020	1952	1827	1575	1362	1471	1325	1248	1228
SWP		520	601	674	1015	1100	1063	1055	1057	1026	1005	918	1012	786	581	404
CVP		283	471	628	814	897	966	965	895	802	570	444	459	538	667	825
Encroachment																
Total Storage (EWA case)		788	1058 0	1283	1810	1968	2030	1898	1898	1567	1343	1211	1393	1259	1185	1166
MWD Source Shifting																
Storage (with MWD source shifting)		**788**	**1058**	**1283**	**1810**	**1968**	**2030**	**1898**	**1898**	**1567**	**1343**	**1211**	**1393**	**1259**	**1185**	**1166**

[0] 2005 NOD Purchases = 0. DWR on behalf of EWA entered into an agreement with SFWP for 6.2 TAF. However, this water spilled out of Lake Oroville in June.
DWR on behalf of EWA entered into an agreement with YCWA for 62 TAF. However, with the Delta in excess condition, this water could not be transferred.
2005 SOD Exchange/Purchase = 50(MWD) + 60(KCWA). Prop 204 = 29.7(KCWA) + 8.8(SCVWD).

[1] Aqueduct conveyance and evaporation losses are not included.

[2] Carriage water loss applies to water transfers from the Sacramento River (assumed to be 20% until modeling results indicate otherwise);
a 10% conveyance loss applies to water transfers from the San Joaquin River.
Carriage water loss in WY 2004 was 0%.

[3] 2004 YCWA Transfer (Joint place of use)

[4] 2004 PCWA Transfer (Joint place of use)

[5] 2005 SFWP Transfer (Joint place of use). This water later spilled out of Lake Oroville in June.

[6] About 4.2 TAF was expended for the Delta Action 8 experiment which occurred between 12/6/04 - 12/15/04.

[7] A total of 58.2 TAF was expended for the export curtailment which occurred between 2/205 - 2/7/05. The CVP's cost for the action was 25.4 TAF; B2 covered 14 TAF.

[8] The SWP's cost for VAMP is about 134 TAF. The cost for a Pre-VAMP Shoulder is about 122 TAF.

[9] The CVP's costs for a pre-VAMP shoulder and most of VAMP was covered by B2.

[10] Based upon the 7/2005 DWR's 25% (90% Fall) allocation study.

[11] 2005 YCWA Transfer (Joint place of use). Delta in excess - couldn't move water. Monies will be applied toward the 2006 purchase.

[12] The CVP spilled ~ 3.3 TAF of EWA water stored in Folsom during flood control operations.

[13] 2005 Prop 204 SOD Transfer (SWP place of use) - KCWA

[14] 2005 KCWA Purchases (SWP place of use)

[15] 2005 Prop 204 SOD Transfer (SWP place of use) - SCVWD

[16] 2005 MWD Exchange (SWP place of use) DWR on behalf of EWA owes MWD 50 TAF in a dry year when SWP allocations are 60% or less and MWD requests return.